

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P531033

Luminaire Tested: **GALN-SA6B-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-740-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17601 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

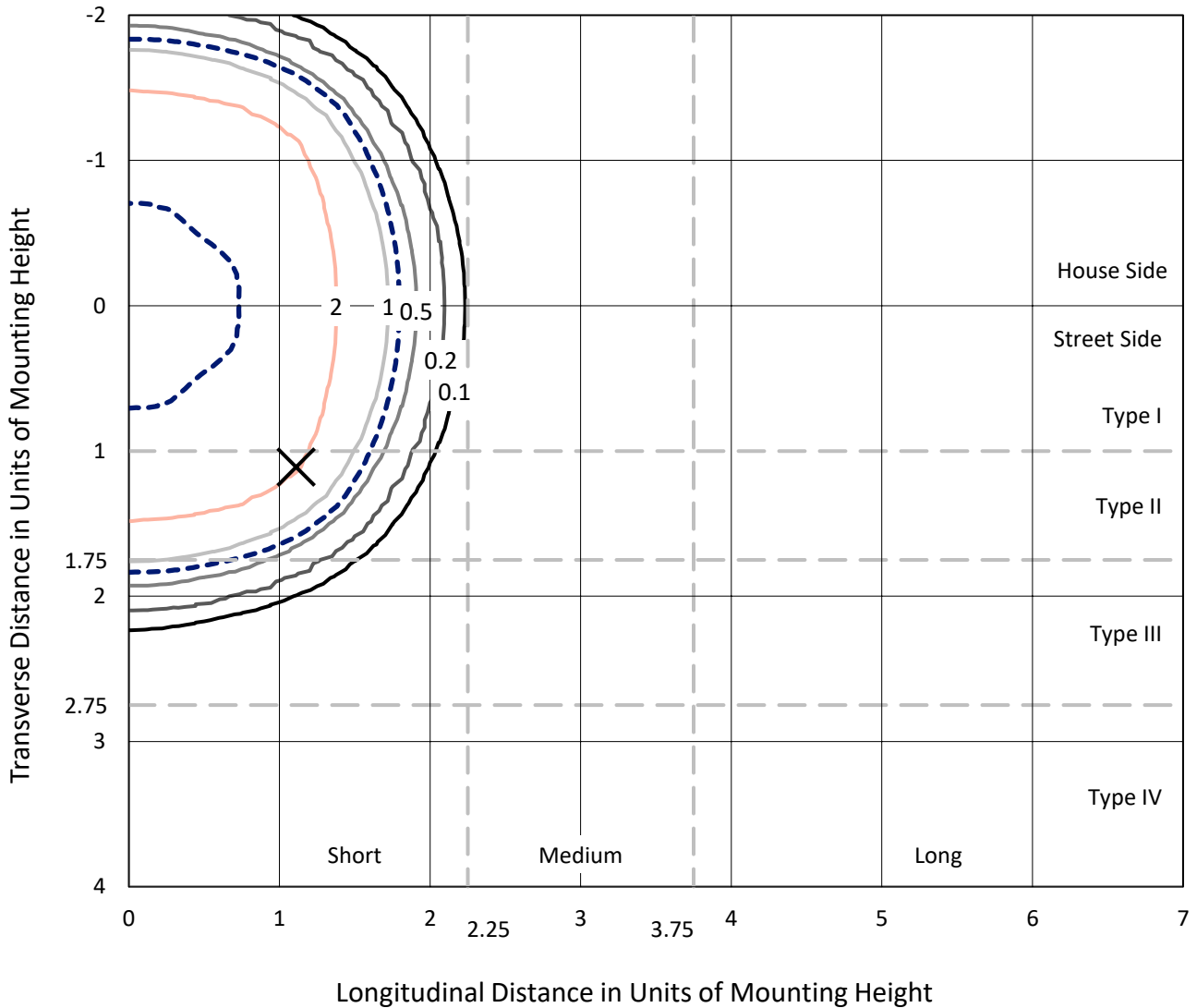
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

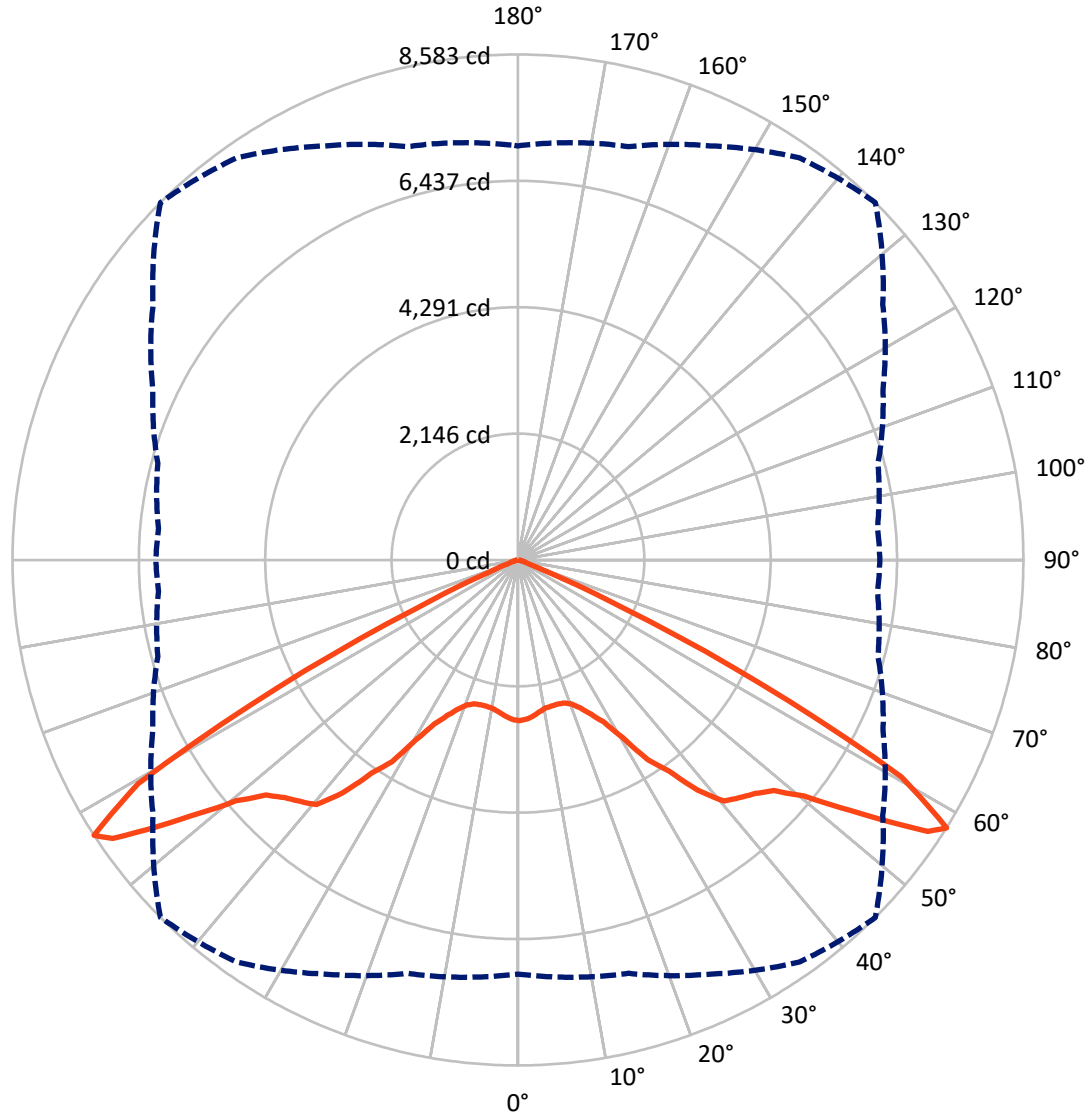
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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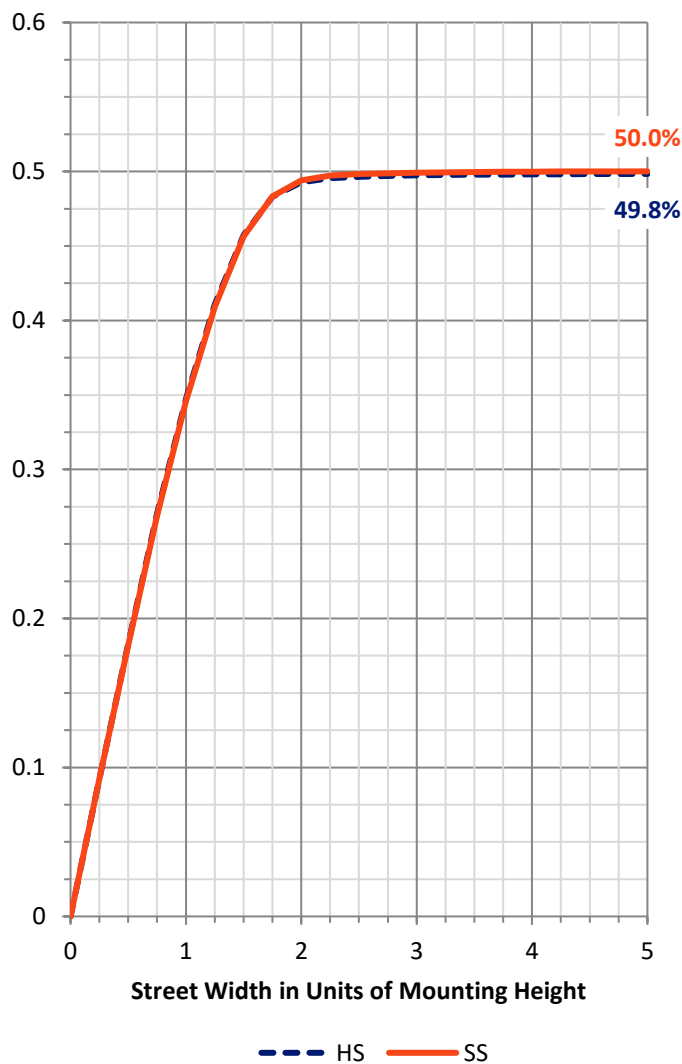
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8800.5	0.0	8800.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8800.5	0.0	8800.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17601.0	0.0	17601.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.9	1.4
10°-20°	725.2	4.1
20°-30°	1338.6	7.6
30°-40°	2632.4	15.0
40°-50°	4287.5	24.4
50°-60°	6114.5	34.7
60°-70°	2117.0	12.0
70°-80°	113.6	0.6
80°-90°	21.3	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	17601.0	100.0
0°-180°	17601.0	100.0

Coefficient of Utilization



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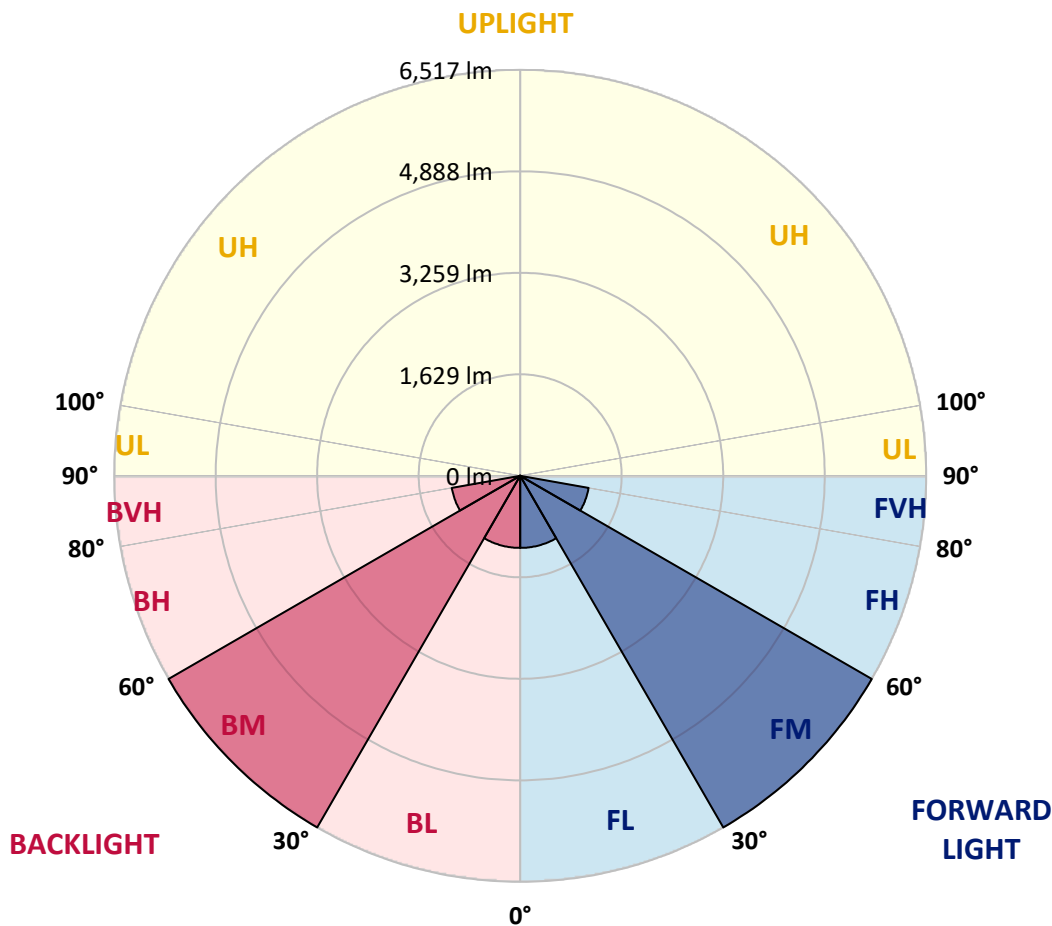
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1157.3	6.6			
FM (30°-60°)	6517.2	37.0			
FH (60°-80°)	1115.3	6.3			G1/1800
FVH (80°-90°)	10.7	0.1			G1/100
BL (0°-30°)	1157.3	6.6	B3/2500		
BM (30°-60°)	6517.2	37.0	B4/8500		
BH (60°-80°)	1115.3	6.3	B3/2500		G1/1800
BVH (80°-90°)	10.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2730.1	2730.1	2730.1	2730.1	2730.1	2730.1	2730.1	2730.1	2730.1	2730.1	2730.1
2.5°	2722.8	2737.4	2719.1	2711.8	2708.1	2708.1	2697.1	2697.1	2693.4	2697.1	2682.4
5°	2678.7	2693.4	2693.4	2689.7	2667.7	2664.0	2653.0	2645.7	2649.4	2634.7	2645.7
7.5°	2634.7	2645.7	2631.0	2627.4	2620.0	2605.3	2601.7	2568.6	2572.3	2572.3	2579.7
10°	2627.4	2623.7	2601.7	2583.3	2561.3	2557.6	2546.6	2539.3	2539.3	2535.6	2546.6
12.5°	2627.4	2609.0	2605.3	2565.0	2528.3	2543.0	2513.6	2495.3	2520.9	2528.3	2543.0
15°	2623.7	2642.0	2579.7	2561.3	2535.6	2539.3	2513.6	2495.3	2509.9	2517.3	2528.3
17.5°	2645.7	2634.7	2616.3	2579.7	2568.6	2554.0	2520.9	2506.3	2506.3	2524.6	2528.3
20°	2704.4	2675.1	2638.4	2620.0	2631.0	2612.7	2572.3	2517.3	2531.9	2546.6	2557.6
22.5°	2759.5	2737.4	2711.8	2700.7	2763.1	2733.8	2664.0	2601.7	2579.7	2605.3	2623.7
25°	2865.9	2865.9	2818.2	2832.8	2902.6	2906.2	2825.5	2715.4	2700.7	2711.8	2719.1
27.5°	3082.4	3093.4	3053.0	3067.7	3097.0	3122.7	3053.0	2961.3	2928.3	2924.6	2935.6
30°	3317.2	3339.2	3335.6	3397.9	3482.3	3497.0	3394.3	3243.8	3144.8	3126.4	3141.1
32.5°	3625.5	3636.5	3629.1	3702.5	3930.0	4036.4	3768.6	3555.7	3423.6	3456.7	3423.6
35°	4205.2	4194.2	4113.5	4128.2	4315.3	4392.4	4135.5	3999.7	3937.4	4003.4	3988.7
37.5°	4704.3	4663.9	4597.9	4693.3	4887.8	4957.5	4689.6	4451.1	4337.3	4447.4	4495.1
40°	5126.3	5023.5	4931.8	5027.2	5287.7	5383.1	4990.5	4796.0	4752.0	4832.7	4935.5
42.5°	5482.2	5416.2	5295.1	5302.4	5474.9	5518.9	5203.3	5089.6	5045.5	5174.0	5225.4
45°	5735.4	5673.0	5559.3	5551.9	5684.0	5654.7	5372.1	5295.1	5320.8	5405.2	5430.8
47.5°	5863.8	5896.9	5830.8	5849.2	5918.9	5849.2	5625.3	5625.3	5566.6	5618.0	5592.3
50°	6234.5	6131.7	6216.1	6216.1	6289.5	6296.8	6073.0	5992.3	5834.5	5746.4	5746.4
52.5°	6667.5	6674.8	6707.8	6828.9	6953.7	7060.1	6740.9	6395.9	6131.7	6018.0	6003.3
55°	7023.4	7096.8	7228.9	7456.4	7816.0	7962.8	7412.4	6795.9	6473.0	6296.8	6260.1
56°	7217.9	7148.2	7375.7	7687.6	8157.3	8348.1	7522.5	6876.6	6520.7	6322.5	6318.9
57.5°	7030.7	7107.8	7265.6	7757.3	8333.4	8582.9	7562.8	6839.9	6329.9	6128.0	6146.4
60°	5551.9	5625.3	5838.2	6388.6	7291.3	7485.8	6399.6	5640.0	5185.0	4895.1	4898.8
62.5°	3141.1	3196.1	3361.3	3871.3	4432.7	4619.9	3988.7	3482.3	3166.8	3005.3	2953.9
65°	1155.9	1133.9	1159.6	1420.1	1765.0	1922.8	1658.6	1401.7	1236.6	1177.9	1155.9
67.5°	433.0	400.0	374.3	400.0	502.7	532.1	488.0	407.3	381.6	392.6	400.0
70°	267.9	253.2	201.8	190.8	187.1	183.5	194.5	205.5	234.8	275.2	282.6
72.5°	187.1	176.1	143.1	135.8	128.4	124.8	143.1	157.8	183.5	212.8	216.5
75°	73.4	77.1	73.4	80.7	84.4	88.1	102.7	113.8	124.8	124.8	121.1
77.5°	14.7	14.7	22.0	29.4	36.7	47.7	69.7	80.7	84.4	80.7	69.7
80°	0.0	0.0	7.3	14.7	29.4	40.4	62.4	69.7	77.1	69.7	55.0
82.5°	0.0	0.0	7.3	18.3	29.4	36.7	58.7	73.4	84.4	77.1	58.7
85°	0.0	0.0	7.3	14.7	22.0	25.7	25.7	18.3	18.3	11.0	7.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)